

Serial No.: 10/628,320
Response to Office Action mailed January 11, 2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A formulation dispenser for dispensing a material, the material including either of a liquid or paste, comprising:
at least one material reservoir cylinder for containing the material bag;
a supply tube from the reservoir cylinder to a valve;
the aforementioned valve, the valve being controlled by a human/machine interface; ~~and~~
the valve directing material from ~~a bag in~~ the cylinder sent through the supply tube to a receiving container; and
a sensor for detecting the amount of material dispensed into the receiving container and for communicating with the human/machine interface.
2. (Original) A formulation dispenser as in claim 1 further comprising:
a plurality of material reservoir cylinders each for containing a material bag; and
a supply tube from all of the plurality of material reservoir cylinders to the valve.
3. (Original) A formulation dispenser as in claim 1 further comprising:
an alternate material reservoir container.
4. (Currently Amended) A formulation dispenser as in claim 1, further comprising: a scale for weighing material dispensed into the receiving container ~~the valve further comprising:~~
~~a dispense tube;~~
~~the valve directing material to the dispense tube before directing the material to a receiving container.~~
5. (Currently Amended) A formulation dispenser as in claim 4 further comprising a pressure responsive dispense valve for controlling the amount of material dispensed into the receiving container;

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~~the first-mentioned valve directing material to the dispense valve after the dispense tube and before the receiving container.~~

6. (Original) A formulation dispenser as in claim 5, further comprising a dispense cylinder with a piston, the first-mentioned valve directing material to the dispense cylinder and hence to the dispense tube.

7.7. (Currently Amended) A method of dispensing to create a formulation, utilizing at least one material reservoir cylinder for containing a material bag, and a pressure responsive valve in fluid communication with supply tube from the reservoir cylinder to a valve, and the ~~aforementioned valve, comprising:~~

~~utilizing the valve to direct material from a bag in the cylinder sent through the supply tube to a receiving container;~~

utilizing a sensor to detect the amount of material directed to the receiving container;

weighing the material dispensed in the receiving container; and

dispensing relatively small amounts of material into the receiving container until a target weight has been reached.

8.8. (Currently Amended) A formulation dispenser as in claim 2 wherein the material bag assembly further comprises comprising:

a compressible material bag with an opening and at least one corner, the at least one corner defining a delta seal; and

a bag spout sized to fit to the opening.

9. (Currently Amended) A formulation dispenser comprising:

at least one material container for containing material to be dispensed,

a pressure responsive valve that will open rollingly to control the flow of material to be dispensed, and

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a sensor for detecting the amount of material discharged through the pressure responsive valve and for communicating with a human/machine interface which further controls additional amount of material to be dispensed through the valve.

10. (Original) The formulation dispenser of claim 9 further comprising:
a receiving container, and
a scale for detecting the amount of material discharged through the pressure responsive valve.
11. (Currently Amended) The formulation dispenser of claim 9 ~~further comprising a~~ wherein the human/machine interface is a computer.
12. (Original) The formulation dispenser of claim 9 wherein the material container further includes a material bag.
13. (Original) The formulation dispenser of claim 9 further comprising a piston for pushing material to be dispensed.
14. (Currently Amended) A formulation dispenser comprising:
at least one material container for containing material to be dispensed,
a pressure responsive valve that will open rollingly to control the flow of material to be dispensed, and
a scale for detecting the amount of material discharged through the pressure responsive valve and for communicating with a human/machine interface which further controls additional amount of material to be dispensed through the valve.
15. (Original) The formulation dispenser of claim 14 further comprising:
a receiving container, and
a sensor for detecting the amount of material discharged through the pressure responsive valve.

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16. (Currently Amended) The formulation dispenser of claim 15 ~~further comprising a~~
wherein the human/machine interface is a computer.

17. (Original) The formulation dispenser of claim 14 wherein the material container further includes a material bag.

18. (Original) The formulation dispenser of claim 16 further comprising an actuator for pushing material to be dispensed.

19. (Currently Amended) A formulation dispenser for dispensing material, the dispenser comprising a human/machine interface for controlling a pressure responsive valve that will open rollingly upon the application of pressure exerted on the material to be dispensed, the valve controlling the flow of material to be dispensed, and the valve closing upon the reduction of pressure exerted on the material.

20. (Original) The formulation dispenser of claim 20 further comprising an actuator for exerting pressure on the material to be dispensed.